

TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Prairie Resources,Inc.**

2530 NW. Willow Rd.
Medicine Lodge,Kansas.
67104

ATTN: Arden Ratzlaff

23-31S-13W

Packard #9-23

Start Date: 2005.03.20 @ 21:34:56

End Date: 2005.03.21 @ 07:09:26

Job Ticket #: 19980 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
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Test Start: 2005.03.20 @ 21:34:56

GENERAL INFORMATION:

Formation: **Mississippian**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 00:32:26
Time Test Ended: 07:09:26

Test Type: Conventional Bottom Hole
Tester: Darren L.Amerine
Unit No: 30

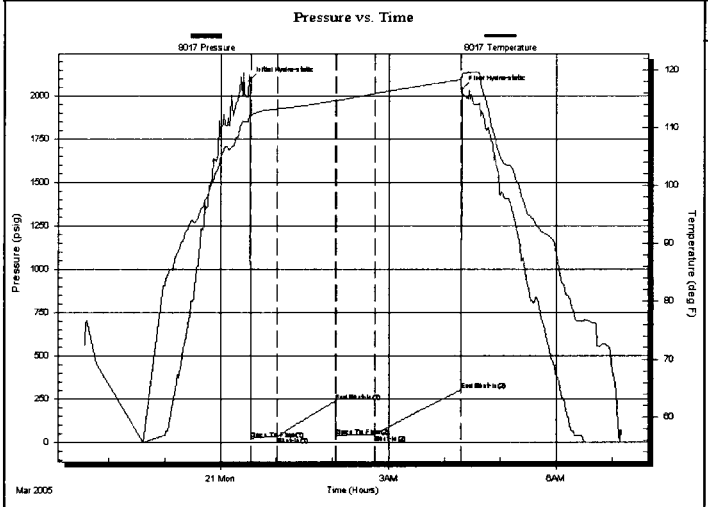
Interval: 4169.00 ft (KB) To 4184.00 ft (KB) (TVD)
Total Depth: 4184.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1554.00 ft (KB)
1541.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8017 **Inside**
Press@RunDepth: 44.83 psig @ 4176.00 ft (KB)
Start Date: 2005.03.20 End Date: 2005.03.21
Start Time: 21:34:57 End Time: 07:09:26

Capacity: 7000.00 psig
Last Calib.: 2005.03.21
Time On Btm: 2005.03.21 @ 00:30:26
Time Off Btm: 2005.03.21 @ 04:18:41

TEST COMMENT: IF:Fair blow b.o.b in 6 mins.
ISI:Bled down for 2 mins.no blow back.
FF:Strong blow b.o.b in 20 sec.
FSI:Bled down for 10 mins.no blow back.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2084.61	112.12	Initial Hydro-static
2	19.48	111.99	Open To Flow (1)
31	34.60	113.26	Shut-In(1)
92	235.94	114.73	End Shut-In(1)
93	32.27	114.70	Open To Flow (2)
135	44.83	115.96	Shut-In(2)
227	302.19	118.36	End Shut-In(2)
229	2038.32	119.26	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	655'of gip	0.00
95.00	G&OCWM 20%gas 10%oil 40%w ater	0.49rd

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

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TOOL DIAGRAM

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Job Ticket: 19980 **DST#: 1**

Test Start: 2005.03.20 @ 21:34:56

Tool Information

Drill Pipe:	Length:	4067.00 ft	Diameter:	3.80 inches	Volume:	57.05 bbl	
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	
Drill Collar:	Length:	93.00 ft	Diameter:	2.25 inches	Volume:	0.46 bbl	
					Total Volume:	57.51 bbl	

Drill Pipe Above KB:	15.00 ft
Depth to Top Packer:	4169.00 ft
Depth to Bottom Packer:	ft
Interval betw een Packers:	15.00 ft
Tool Length:	39.00 ft
Number of Packers:	2 Diameter: 6.75 inches

Tool Weight:		2100.00 lb
Weight set on Packer:		20000.00 lb
Weight to Pull Loose:		65000.00 lb
Tool Chased		0.00 ft
String Weight:	Initial	60000.00 lb
	Final	60000.00 lb

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			4146.00		
Shut In Tool	5.00			4151.00		
Hydraulic tool	5.00			4156.00		
Safety Joint	3.00			4159.00		
Packer	5.00			4164.00	24.00	Bottom Of Top Packer
Packer	5.00			4169.00		
Stubb	2.00			4171.00		
Perforations	5.00			4176.00		
Recorder	0.00	8017	Inside	4176.00		
Perforations	5.00			4181.00		
Recorder	0.00	10332	Outside	4181.00		
Bullnose	3.00			4184.00	15.00	Bottom Packers & Anchor
Total Tool Length:	**39.00**					

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FLUID SUMMARY

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Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	140000 ppm
Viscosity:	49.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	12.78 in³	Gas Cushion Type:			
Resistivity:	0.80 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	9500.00 ppm				
Filter Cake:	0.32 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	655'of gip	0.000
95.00	G&OCWM 20%gas 10%oil 40%w ater 30%m	0.485

Total Length: 95.00 ft Total Volume: 0.485 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: .06@70'degrees=140000

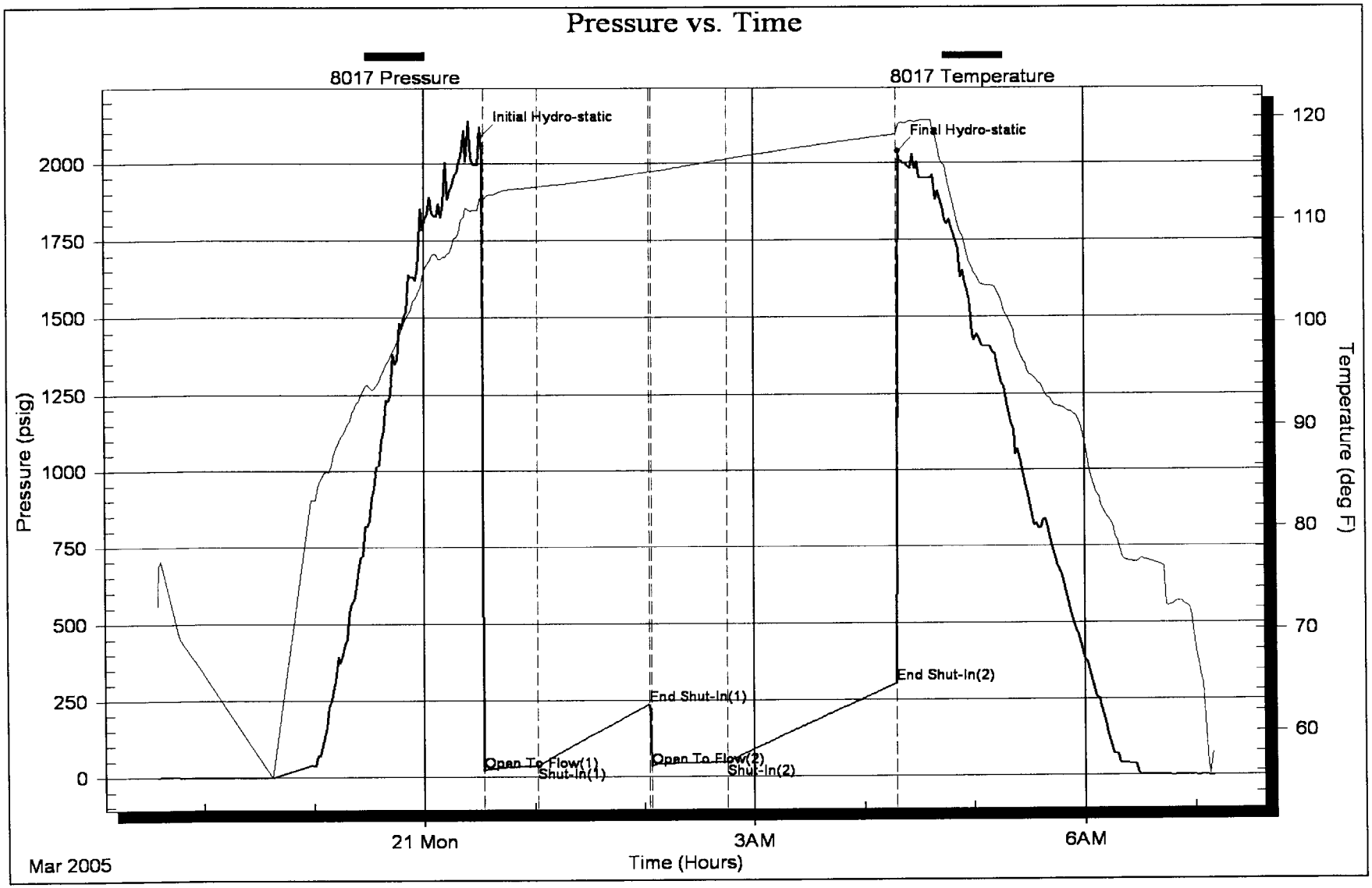

Pressure vs. Time
8017 Pressure
8017 Temperature
Initial Hydro-static
Final Hydro-static
End Shut-In(1)
End Shut-In(2)
Open To Flow(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
Pressure (psig)
Temperature (deg F)
2000
1750
1500
1250
1000
750
500
250
0
120
110
100
90
80
70
60
21 Mon
3AM
6AM
Mar 2005
Time (Hours)

CHART PAGE

This is a photocopy of the actual AK-1 recorder chart.

